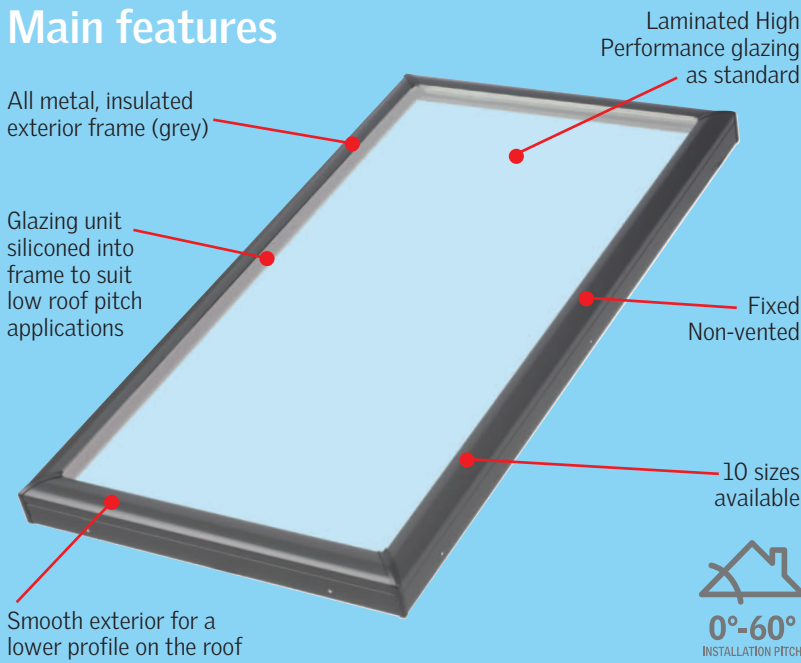


FCM flat roof double glazed skylight

Main features

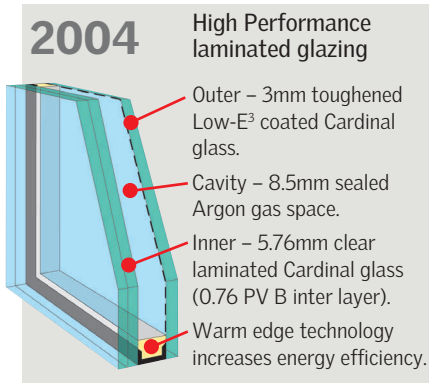


The brilliantly simple fixed, non-vented, FCM flat roof skylight incorporates the VELUX High Performance glazing unit and an all metal, insulated exterior frame.

The smooth exterior gives not only a lower profile on the roof, but also provides a "cool" daylighting solution by effectively blocking heat build up and UV rays.

- Maintenance-free anodized heavy-gauge aluminium frame withstands the extremes of the Australian climate.
- Versatile positioning: most sizes can be used in portrait, landscape or even "diamond shape" orientation.
- Ideal replacement solution for Acrylic Domes.

High Performance glazing as standard



Benefits:	2004
• Radiant heat block	80%
• UV rays block	99%
• Noise reduction factor	32dB
• WERS rating	5 stars
• Double layer of Low-E ³ coating	✓
• 10 year warranty on insulated glass seal	✓

Australian Standard AS1288

2004 laminated glass must be used for skylights installed 3m or more above floor level.

10 YEAR WARRANTY
on skylights & glazing

FCM technical performance

Australian Standards

All VELUX Skylights are tested and approved to the appropriate Australian Standards.

AS4285 SKYLIGHTS
Cyclonic & Non-Cyclonic ✓

AS1288 OVERHEAD GLAZING
Laminated inner pane[†] ✓

AS3959 BUSHFIRE
Attack Level 40[^] ✓

[†] 2004 glazing variant.

[^] Bushfire testing applicable to 2004 glazing variant skylight in roof pitch 0°-60°. Skylight only. Custom-made flashing required.

Building Code compliance

VELUX Skylights are deemed non-combustible and thereby comply with BCA Fire Separation requirements (i.e. suitable for use within 900mm from allotment boundary/separation wall)‡.

‡ CSIRO assessment report available on request. VELUX recommends consultation with relevant authority before work commences.

Energy rating

FCM Skylights have been energy rated in accordance with the Skylight Energy Rating Scheme (WERS).

★★★★★ **Maximum 5 stars**
Summer Ratings

4.5 out of 5 stars for Winter Rating.

4.5 out of 5 stars for Cool Daylight in Summer.

Glazing performance

Glazing type	2004
U-value (W/m²K)	
Complete skylight	2.80
Glass only	1.93
Solar Heat Gain Co-efficient	
Complete skylight	0.26
Glass only	0.27
Visible Light Transmittance	
Complete skylight	0.61
Luminous Efficacy (Ke = VT/SHGC)	
Complete skylight	2.35

All figures generated by AFRC accredited simulators. Figures based on FCM Skylight size 4646.

FCM flat roof double glazed skylight



Important considerations

- VELUX FCM Skylights can be used for low sloping roofs. The low profile external covering and glazing seal prevents water infiltration even at 0° degrees. To prevent water 'ponding' on the glass a minimum pitch of 3°-5° is recommended.
- VELUX FCM does not come with a flashing kit but can be used with a variety of kerb flashings. Contact VELUX or a local flashing manufacturer for more information.



Australian Standards

Australian Standard AS1288 stipulates laminated glass must be used in overhead glazing 3 meters or more above floor level (as standard for FCM).

Custom-made flashing required

The VELUX FCM flat roof skylight requires custom-made flashing (not supplied). VELUX can assist with technical advice and drawings for this type of flashing.

NEW dome replacement sizes available

3 new sizes can be used as direct replacements[^] for acrylic domes (FCM 1430 fits standard 400x800mm dome, FCM 2230 for 600x800mm dome and FCM 3434 for 900x900mm dome).

Preparation guide for custom-made flashing



****Throat on custom-made flashing must not exceed 35mm – otherwise Gyprock, when installed, will encroach upon glass area.**

FCM – frame and glazing dimensions

2004 High Performance double glazing as standard

Size code FCM	1430	2222	2230	2234	2246	2270 [†]	3030	3046	3434	4646
Inner glass dimension wxh – mm	368x775	572x572	572x775	572x876	572x1181	572x1790	775x775	775x1181	876x876	1181x1181
Throat dimension** wxh – mm	460x870	665x665	665x870	665x970	665x1275	665x1885	870x870	870x1275	970x970	1275x1275
Daylight area (M ²)	0.29	0.33	0.44	0.50	0.68	1.02	0.60	0.92	0.77	1.39
2004 High Performance glazing sizes available	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

† FCM 2270 not recommended for "landscape" orientation.
[^] Custom-made collar adaptor (not supplied) required to fit.
 Blinds are not available for FCM Skylights.